

# FÉLIX CHAVELLI

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**PROFILE |** Double degree student in **Computer Science @NUS & Applied Mathematics @ENSTA Paris**, I am interested in **Artificial Intelligence, Environment and Climate**

**EDUCATION |** **M.SC. COMPUTER SCIENCE**  
2022 – 2023, NATIONAL UNIVERSITY OF SINGAPORE  
Neural Networks & Deep Learning • Data mining • Natural Language Processing

**M.SC. APPLIED MATHEMATICS**  
2019 – 2022, ENSTA PARIS – SUPERIOR NATIONAL SCHOOL OF ADVANCED TECHNIQUES  
Optimisation • Statistics • Scientific Programming • Modelling • Operations Research

**B.SC. APPLIED MATHEMATICS 1<sup>ST</sup> CLASS HONOURS**  
2017 – 2019, PAUL SABATIER UNIVERSITY, TOULOUSE

**UNIVERSPACE SUMMER SCHOOL ABOUT ORBITAL SYSTEMS**  
2018, NATIONAL CENTER FOR SPACE STUDIES (CNES)

**EXPERIENCE |** **CNRS RESEARCH ASSISTANT**  
SEPT. 2022 – , SINGAPORE  
Neural networks for dynamical systems (with S. Bressan)

**IPCC RESEARCH ASSISTANT**  
SEPT. 2021 – FEB. 2022, PARIS  
Meta-analysis of the 6<sup>th</sup> IPCC assessment report (with S. Connors)

**HARVARD UNIVERSITY RESEARCH ASSISTANT**  
MAY – JULY 2021, CAMBRIDGE, MA, USA  
Neural networks for Navier-Stokes equations (with D. Sondak & P. Protopapas)

**IRIT - IT RESEARCH INSTITUTE RESEARCH ASSISTANT**  
JUNE 2019, TOULOUSE  
Neural networks for audio detection of aircraft engine anomalies (with T. Pellegrini)

**METEO FRANCE RESEARCH ASSISTANT**  
AUGUST 2019, TOULOUSE  
Data analysis and statistical modelling for predicting fog events (with O. Mestre)

**UPSILON JUNIOR-ENTREPRISE BUSINESS MANAGER**  
2019, TOULOUSE  
Prospecting, mission follow-up & consultant in applied mathematics

**PRIVATE TEACHER**  
2018 - 2022, TOULOUSE / PARIS  
High school math courses, university tutoring, competitive exam preparation

**ANIMATOR QUALIF. SWIMMING SUPERVISION & FIRST AID (PSC1) since 2017**

**JUDGE & TRAINER FREESTYLE ROLLER SKATING (FFRS) since 2015**

**LANGUAGES |** **Mother tongue** french • **Advanced** english • **Intermediate** spanish

**TI SKILLS |** C/C++ • R • PYTHON • MATLAB • JULIA • SHELL • LATEX • 3D modeling & printing

**VOLUNTEERING |** **CLIMATE FRESK** Animation of workshops to raise awareness about climate change  
**UTOPIA56** Emergency assistance for refugees, assistance to families, men, minors  
**COP'1** Food distributions, study on precariousness, creation of the Cop'1 website

**PROJECTS |** **ideal-de-france** – Resource platform for the ecological transition (Gold medal project)  
**creation of an autonomous rescue robot** – ERL Emergency (European competition)  
**city-wide carbon accounting tool** – IP Paris Carbon Neutral City (pre-selected project)

**HOBBIES |** **SPORT** • freestyle roller skating • climbing • swimming • alpine skiing • **MUSIC** • piano